

10/77,82

FILE 'CAPLUS' ENTERED AT 14:07:38 ON 01 NOV 2004
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FILE COVERS 1907 - 1 Nov 2004 VOL 141 ISS 19
FILE LAST UPDATED: 31 Oct 2004 (20041031/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s us4696943/pn
L1 1 US4696943/PN
=> d L1

11/1/04
Structures in prior patent
of 4,696,943 (Gebert)

AN 1986:418467 CAPLUS
 DN 105:18467
 TI (S)- α -Ethyl-2-oxo-1-pyrrolidineacetamide
 IN Gobert, Jean; Geerts, Jean Pierre; Bodson, Guy
 PA UCB S. A., Belg.
 SO Eur. Pat. Appl., 18 pp.
 CODEN: EPXXWU

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 162036	A1	19851121	EP 1985-870069	19850514
	EP 162036	B1	19890816		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
FI	8501875	A	19851116	FI 1985-1875	19850513
FI	80673	B	19900330		
FI	80673	C	19900710		
IL	75179	A1	19880531	IL 1985-75179	19850513
DK	8502129	A	19851116	DK 1985-2129	19850514
DK	163501	B	19920309		
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NO	8501933	A	19851118	NO 1985-1933	19850514
NO	164534	B	19900709		
NO	164534	C	19901017		
JP	60252461	A2	19851213	JP 1985-102529	19850514
JP	06029186	B4	19940420		
ZA	8503635	A	19851224	ZA 1985-3635	19850514
ES	543124	A1	19860616	ES 1985-543124	19850514
AU	8542530	A1	19861120	AU 1985-42530	19850514
AU	574465	B2	19880707		
US	4696943	A	19870929	US 1985-733790	19850514 <--
CA	1235129	A1	19880412	CA 1985-481512	19850514
PL	144346	B1	19880531	PL 1985-253374	19850514
SU	1402260	A3	19880607	SU 1985-3898053	19850514
PL	147386	B1	19890531	PL 1985-257385	19850514
AT	45567	Z	19890915	AT 1985-870069	19850514
CN	85105301	A	19870114	CN 1985-105301	19850710
CN	1015541	B	19920219		
SU	1430392	A1	19880105	SU 1985-3968802	19851025
ES	551428	A1	19870416	ES 1986-551428	19860130
SU	1428195	A3	19880930	SU 1986-4027938	19860813
US	4837223	A	19890606	US 1987-25277	19870312
US	4943639	A	19900724	US 1989-311631	19890216
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FULL ESTIMATED COST          3.40          3.61
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USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 31 OCT 2004 HIGHEST RN 773042-36-7
DICTIONARY FILE UPDATES: 31 OCT 2004 HIGHEST RN 773042-36-7

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

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  1 102767-30-6/BI
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  1 102767-31-7/BI
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  1 102849-49-0/BI
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  1 2969-81-5/BI
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  1 3886-69-9/BI
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  1 4635-59-0/BI
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  1 67118-31-4/BI
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  1 7682-20-4/BI
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  1 7782-44-7/BI
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(7782-44-7/RN)

1 86815-10-3/BI

(86815-10-3/RN)

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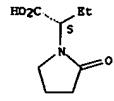
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 (R)- α -methylbenzenemethanamine (1:1) (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Benzenemethanamine, α -methyl-, (R)-, (S)- α -ethyl-2-oxo-1-
 pyrrolidinacetate (9CI)
 FS STEREOSEARCH
 MF C8 H13 N O3 . C8 H11 N
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL
 DT.CA Caplus document type: Patent
 RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)

CM 1

CRN 102849-49-0
 CMF C8 H13 N O3

Absolute stereochemistry.



CM 2

CRN 3886-69-9
 CMF C8 H11 N

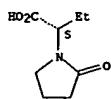
Absolute stereochemistry.



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 2 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 102849-49-0 REGISTRY
 CN 1-Pyrrolidinacetic acid, α -ethyl-2-oxo-, (S)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 1-Pyrrolidinacetic acid, α -ethyl-2-oxo-, (S)-
 OTHER NAMES:
 C1 UCB-L 057
 FS STEREOSEARCH
 MF C8 H13 N O3
 CI COM
 SR CA
 LC STN Files: BEILSTEIN*, BIOSIS, CA, CAPLUS, CASREACT, TOXCENTER,
 USPATFULL
 (*File contains numerically searchable property data)
 DT.CA Caplus document type: Journal; Patent
 RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); FORM (Formation, nonpreparative); PROC (Process); RACT (Reactant
 or reagent); USES (Uses)

Absolute stereochemistry.

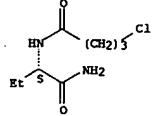


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 9 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 3 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 102767-31-7 REGISTRY
 CN Butanamide, N-[1-(aminocarbonyl)propyl]-4-chloro-, (S)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C8 H15 Cl N2 O2
 SR CA
 LC STN Files: CA, CAPLUS, PS, USPATFULL
 DT.CA Caplus document type: Patent
 RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.

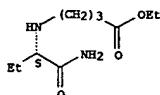


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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 4 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 102767-30-6 REGISTRY
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 OTHER CA INDEX NAMES:
 CN Butanoic acid, 4-[(1S)-1-(aminocarbonyl)propyl]amino-, ethyl ester, (S)-
 FS STEREOSEARCH
 MF C10 H20 N2 O3
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL
 DT.CA Caplus document type: Patent
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

Absolute stereochemistry.

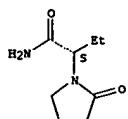


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2 REFERENCES IN FILE CA (1907 TO DATE)
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L2 ANSWER 5 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
RN 102767-29-2 REGISTRY
CN 1-Pyrrolidinacetamide, α -ethyl-2-oxo-, (S)- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Pyrrolidinacetamide, α -ethyl-2-oxo-, (S)-
OTHER NAMES:
CN Keppra
CN Levetiracetam
CN UCB-L 059
FS STEREOSEARCH
MF CI H14 N 2 O2
SR CA
LC STN Files: ADISINSIGHT, ADISNEWS, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CIN, DIOGENES, EMBASE, IMSDRUGNEWS, IMPATENTS, INSRESEARCH, IPA, MRCK*, PHAR, PROMT, PROUSDDR, PS, RTECS*, SYNTHLINE, TOXCENTER, USAN, USPATFULL
(*File contains numerically searchable property data)
Other Sources: WHO
DT,CA Caplus document type: Conference, Journal, Patent
RL,P Roles from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses)
RLD,P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); USES (Uses)
RL,NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
RLD,NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); USES (Uses)

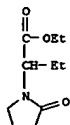
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
180 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 6 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
RN 86815-10-3 REGISTRY
CN 1-Pyrrolidinacetic acid, α -ethyl-2-oxo-, ethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
DR 102767-29-3
MF CI O H17 N 03
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, USPATFULL
(*File contains numerically searchable property data)
DT,CA Caplus document type: Journal, Patent
RL,P Roles from patents: RACT (Reactant or reagent)
RL,NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

7 REFERENCES IN FILE CA (1907 TO DATE)
7 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 7 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
RN 67118-31-4 REGISTRY
CN 1-Pyrrolidineacetic acid, α -ethyl-2-oxo- (9CI) (CA INDEX NAME)
FS 3D CONCORD
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MF CI H13 N 03
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)

DT,CA Caplus document type: Journal, Patent
RL,P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)
RL,NP Roles from non-patents: BIOL (Biological study); PREP (Preparation); PROC (Properties); RACT (Reactant or reagent); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

9 REFERENCES IN FILE CA (1907 TO DATE)
9 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 8 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
RN 7782-44-7 REGISTRY
CN Oxygen (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN Di oxygen
CN Molecular oxygen
CN Oxygen molecule
FS 3D CONCORD
DR 1338-93-8, 14797-70-7, 80217-98-7, 80937-33-3
MF O2
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMAX, CHEMIST, CHEMSAFE, CIN, CSChem, CSNB, DDFU, DETHERM*, DIOGENES, DIFPR*, DRUGU, EMBASE, ENCOMPAT1, ENCOMPAT12, ENCOMPAT2, ENCOMPAT2, GHRELIN, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PDRCOM*, PIRA, PROMT, PS, RTECS*, SPECINFO, TOXCENTER, TULSA, UOLIDAT, USAN, USPAT2, USPATFULL, VTB
(*File contains numerically searchable property data)
Other Sources: DSL*, EINECS*, TSCA**
(*Enter CHEMIST File for up-to-date regulatory information)
DT,CA Caplus document type: Book, Conference, Dissertation, Journal, Patent, Preprint, Report
RL,P Roles from patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD,P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
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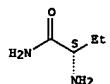


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352946 REFERENCES IN FILE CA (1907 TO DATE)
30134 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
353239 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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 RN 7682-20-4 REGISTRY
 CN Butanamide, 2-amino-, monohydrochloride, (2S)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Butanamide, 2-amino-, monohydrochloride, (S)-
 CN Butanamide, 2-amino-, monohydrochloride, L- (8CI)
 OTHER NAMES:
 CN (S)-2-Aminobutyramide hydrochloride
 FS STEREOSEARCH
 MF C4 H10 N2 O . Cl H
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPIUS, CASREACT, CHEMCATS, USPATFULL
 (*File contains numerically searchable property data)
 DT,CA CAPIUS document type: Journal; Patent
 RL,P Roles from patents: BIOL (Biological study); PREP (Preparation); RACT
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 NORL (No role in record)
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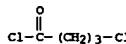
Absolute stereochemistry.



● HCl

7 REFERENCES IN FILE CA (1907 TO DATE)
 7 REFERENCES IN FILE CAPIUS (1907 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 10 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 4633-59-0 REGISTRY
 CN Butanoyl chloride, 4-chloro- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Butyryl chloride, 4-chloro- (7CI, 8CI)
 OTHER NAMES:
 CN γ-Chlorobutyryl chloride
 CN γ-Chlorobutyryl chloride
 CN α-Chlorobutanoyl chloride
 CN α-Chlorobutyryl chloride
 CN 4-Chlorobutanoic acid chloride
 CN 4-Chlorobutanoyl chloride
 CN 4-Chlorobutyryl acid chloride
 CN 4-Chlorobutyryl chloride
 CN 4-Chlorobutyryl chloride
 FS 3D CONCORD
 MF C6 H12 O
 LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPIUS, CASREACT, CHEMCATS, CHEMINFORM*, CHEMLIST, CSChem, GMELIN*, HODOC*, IFICDB, IFIPAT, IFIUDB, MSDS-OHS, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL*, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)
 DT,CA CAPIUS document type: Conference; Journal; Patent; Report
 RL,P Roles from patents: BIOL (Biological study); CMBI (Combinatorial study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
 RLD,P Roles from non-specific derivatives from patents: PREP (Preparation); RACT (Reactant or reagent)
 RL,NP Roles from non-patents: BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
 RLD,NP Roles for non-specific derivatives from non-patents: PREP (Preparation); RACT (Reactant or reagent); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

939 REFERENCES IN FILE CA (1907 TO DATE)
 4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 941 REFERENCES IN FILE CAPIUS (1907 TO DATE)
 4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 11 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 3886-69-9 REGISTRY
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 CN Benzyllamine, α-methyl-, (R)- (8CI)
 CN Benzyllamine, α-methyl-, d- (4CI)
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 CN (+)-α-Methylbenzenemethanamine
 CN (+)-α-Methylbenzylamine
 CN (+)-α-Phenethylamine
 CN (+)-1-Amino-1-phenylethane
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 CN (+)-Phenylethylamine
 CN (+)-α-Methylbenzenemethanamine
 CN (R)-1-Phenyl-1-ethanamine
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 CN (R)-(+)-1-phenethylamine
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 CN (R)-(+)-α-Methoxybenzene
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 CN (R)-α-Phenethylamine
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 CN (R)-1-Phenylethylamine
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 CN (R)-Phenylethylamine
 11: PN: US20040161798 FIGURE: 12 claimed sequence
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 D-(+)-1-Phenylethylamine
 D-α-Methylbenzylamine
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 FS STEREOSEARCH
 MF C9 H11 N
 CI
 LC STN Files: ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPIUS, CASREACT, CENB, CEN, CHEMCATS, CHEMINFORM, CHEMLIST, CIN, CSChem, DETHERM*, GMELIN*, HODOC*, IFICDB, IFIPAT, IFIUDB, MSDS-OHS, PS, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, NDSL**, TSCA**

L2 ANSWER 11 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN (Continued)
 (**Enter CHEMLIST File for up-to-date regulatory information)
 DT,CA CAPIUS document type: Conference; Journal; Patent
 RL,P Roles from patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
 RLD,P Roles for non-specific derivatives from patents: PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 RL,NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
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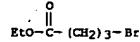
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2836 REFERENCES IN FILE CA (1907 TO DATE)
 22 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 2838 REFERENCES IN FILE CAPIUS (1907 TO DATE)
 7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 12 OF 12 REGISTRY COPYRIGHT 2004 ACS on STN
RN 2969-01-5 REGISTRY
CN Butanoic acid, 4-bromo-, ethyl ester (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Butyric acid, 4-bromo-, ethyl ester (6CI, 7CI, 8CI)
OTHER NAMES:
CN γ -Bromobutyric acid ethyl ester
CN 1-Bromo-3-(carboethoxy)propane
CN 3-(Ethoxycarbonyl)propyl bromide
CN 4-Bromobutanoic acid ethyl ester
CN 4-Bromobutyric acid ethyl ester
CN Ethyl γ -bromobutyrate
CN Ethyl 4-bromobutanoate
CN Ethyl 4-bromobutyrate
CN NSC 133462
PS 3D CONCORD
MF C6 H11 Br O2
LC STN Files: AGRICOLA, BEILSTEIN*, CA, CAOLD, CAPIUS, CASREACT, CHEMCATS,
CHEMINFORMX, CHEMLIST, CSChem, DETHERM*, GMELIN*, HODOC, IFICDB,
IPIPAT, IPIUDB, PS, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: BINECS*
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA Caplus document type: Journal; Patent; Preprint
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES
(Uses); NORL (No role in record)
RLD.P Roles for non-specific derivatives from patents: PREP (Preparation);
PROC (Process); PRP (Properties); RACT (Reactant or reagent); NORL (No
role in record)
RLD.NP Roles for non-specific derivatives from non-patents: PREP
(Preparation); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1364 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1364 REFERENCES IN FILE CAPIUS (1907 TO DATE)
13 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE
ENTRY
21.66
TOTAL
SESSION
25.27

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